

Notice of Allowability

Application No.

10/807,211

Applicant(s)

SUNG, CHANG-CHIEH

Examiner

James W. Cranson

Art Unit

2875

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 06/28/2006.
2. ☒ The allowed claim(s) is/are 1,2,4-16 and 18-21.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claim 14, last line, after source add a period.

Claim 16, last line after surface, delete comma, insert a period.

Allowable Subject Matter

Claims 1, 2, 4-16 and 18-21 are allowed.

The following is an examiner's statement of reasons for allowance: Instant application claims and discloses a surface lighting device with closed oblique reflector.

Claim 1 includes a surface lighting device for a display device, comprising: a light guide plate having a light incident surface; a light reflector substantially juxtaposed with light guide plate, light reflector having a reflecting portion obliquely opposite to light incident surface along a lengthwise direction of light incident surface; and a point light source for emitting light beams, the point light source located between one end of light reflector and light incident surface; light reflector receives light beams emitted from point light source, and reflects light beams into light incident surface of light guide plate.

The prior art of record does not show and would not have suggested the limitations in claim 1. In particular, the primary art of record, USPN 6,435,687 to Fukiharu does not have that the light reflector has a reflecting portion obliquely opposite to the light incident surface along a lengthwise direction of the light incident surface.

Claims 2, and 4-13 depend directly or indirectly from claim 1, add further limitations and are allowable for the same reasons.

Claim 14 includes a surface lighting device for a display device, comprising: a light guide plate having a light incident surface; a mount portion for fixing a point light source and a light reflector coupled with light incident surface of guide plate; light guide plate, mount portion and light reflector cooperate together to define a closed space, space being tapered in a direction away from point light source.

The prior art of record does not show and would not have suggested the limitations in claim 14. In particular, the primary art of record, USPN 6,435,687 to Fukiharu does not have that the light reflector, the light guide plate and the mount portion cooperate together to define a closed space, space being tapered in a direction away from point light source.

Claims 15 and 19 depend directly or indirectly from claim 14, add further limitations and are allowable for the same reasons.

Claim 16 includes a surface lighting device for a display device, comprising: a light guide plate having a light incident surface; and a light reflector coupled with light guide plate and having a sidewall opposite to light incident surface; one end of sidewall connects with light incident surface, an opposite end of sidewall is spaced apart from light incident surface, a point light source is provided between opposite end of sidewall and light incident surface.

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The prior art of record does not show and would not have suggested the limitations in claim 16. In particular, the primary art of record, USPN 6,435,687 to Fukiharu does not have that an opposite end of sidewall is spaced apart from light incident surface.

Claims 18, 20 and 21 depend directly or indirectly from claim 16, add further limitations and are allowable for the same reasons.

Response to Arguments

Applicant's arguments, see amendment and remarks filed 06/28/2006, with respect to Office Action mailed 04/03/2006 have been fully considered and are persuasive. The objections and rejections of the Office Action mailed 04/03/2006 have been withdrawn.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

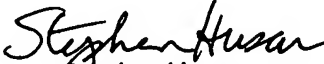
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James W. Cranson whose telephone number is 571-272-2368. The examiner can normally be reached on Mon-Fri 8:30A.M.- 5:00P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandy O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


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Stephen Husar
Primary Examiner